



Cosen's engineering department offers innovative solutions to all your cutting needs. We can custom engineer sawing solutions to overcome complex and difficult sawing applications. Cosen also offers complete material handling systems. Contact Cosen for all your sawing needs!

1. Programmable Automatic Production Saws:

Smart NC Series: C-260NC, C-325NC, C-460NC, G320, C-320NC, C-420NC, C-520NC, C-620NC, C-800NC, C-1000NC
C-TECH Series: C2, C3, C4, C5, C6, C11
CNC Series: CNC-430, CNC-530

2. Fabrication Production Mitering:

Manual: MH-270M, MH-300DM, MH-460M
Programmable-Automatic: C-510MNC, C-650MNC, CNC-800DM
Semi-Automatic: SH-460M, SH-500M, SH-510LDM, SH-650M, SH-700DM, SH-710LDM, SH-1000DM, SH-1100LDM, SH-1300LDM, SH-1500DM
Vertical Tilt Frame Miter-Cutting Saws: AV-2026NC, V-2026NC, V-2230NC

3. Utility Band Saws:

Manual/Semi-Automatic: MH-1016JA, SH-250R

4. Vertical Contour Saws:

VCS Series: VCS-310, VCS-600, VCS-600H, VCS-1000

5. Fabrication Production - Straight Cutting Structural Saws

SH-760F, SH-1000F, SH-1300F

6. Billet Saws

SH-4030, SH-5542, SH-7550S, SH-7662, SH-8580D, SH-1080D, SH-1010W, SH-1313, SH-1713, SH-1817, SH-2020D

7. Vertical Plate Series:

Traversing Head: AV-40150, SV-3055H, SV-4060, SV-86110, SV-130160
Cross Cutting Plate Series: SVC-30120H, SVC-40130H, SVC-50220, SVC-60260, SVC-170150H
High Speed Traversing Table Band Saw: SVT-5075, SVT-6070H

8. Material Handling

Roller Conveyers and Complete Material Handling systems

9. Technology

Software: V_Drive, Q-Cut, & Mechalogix

*Machine may be shown with some optional accessories.
 *Design & specification are subject to change without notice.

Performance
 Dedication
 Productivity



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Programmable Automatic Production Saws

Smart NC Series

▶ SNC-100 FEATURES INCLUDE:

- 5.7" touch screen
- Mitsubishi PLC controller
- Stored program(s) can be easily recalled and executed at will
- Blade speed display
- Blade life indicator
- Error Code display for simplified self-diagnostics
- Blade life timer



◀ C-460NC



C-325NC ▶



◀ G320



C-520NC ▶



C-420NC ▶

▶ SNC SERIES

Cosen's Smart NC-100 (SNC) technology provides many of the benefits of NC controlled saws at a fraction of the cost. SNC-100 controls are programmable up to 100 different jobs, including quantity and length of cut. The control automatically compensates for Kerf loss after data input and requires no manual calculation of times indexed.

Every SNC-100 saw is rugged, dependable, and equipped with advanced technology.

Model	C-800NC	C-1000NC
Capacity Round	31.5"	39.4"
Capacity Rectangular (HxW)	31.5" x 33.5"	39.4" x 39.4"
Blade Size (LxWxT)	27' 2.8" x 2.625" x .063"	30' 10" x 2.625" x .063"
Blade Motor	15 HP	15 HP
Height of Work Bed	24.8"	25.2"
Weight	18,194 lbs	23,100 lbs
Floor Space (LxWxH)	153" x 92" x 116"	184.2" x 80.7" x 138.2"

Model	C-260NC	C-325NC	C-460NC
Capacity Round	10.2"	12.8"	18"
Capacity Rectangular (HxW)	10.2" x 11.8"	12.8" x 15"	18" x 18"
Blade Size (LxWxT)	12' 1.25" x .042"	12' 6.4" x 1.25" x .042"	15' 4" x 1.5" x .050"
Blade Motor	5 HP	5 HP	10 HP
Height of Work Bed	28.37"	28.7"	33.9"
Weight	3,300 lbs	3,828 lbs	5,306 lbs
Floor Space (LxWxH)	85" x 86" x 60.2"	90" x 82" x 54"	98.4" x 104.63" x 63"

Model	G320	C-320NC	C-420NC	C-520NC	C-620NC
Capacity Round	12.8"	12.6"	16.5"	20.5"	24.4"
Capacity Rectangular (HxW)	12.8" x 15"	12.6" x 15"	16.5" x 16.5"	20.5" x 22"	24.4" x 30"
Blade Size (LxWxT)	13' 10.9" x 1.25" x .042"	13' 11" x 1.25" x .042"	15' 7.8" x 1.5" x .050"	20' 10" x 2" x .063"	23' 7" x 2" x .063"
Blade Motor	5 HP	5 HP	10 HP	10 HP	10 HP
Height of Work Bed	31"	31.1"	29.1"	30"	29.5"
Weight	4,290 lbs	3,758 lbs	4,901 lbs	8,651 lbs	11,000lbs
Floor Space (LxWxH)	94.37" x 88" x 66.34"	82.7" x 82.8" x 70.1"	101.5" x 97.8" x 71"	124" x 87" x 85"	160" x 82.4" x 94.1"

Programmable Automatic Production Saws C-Tech Series

Programmable Automatic Production Saws CNC Series

C2 ▶

Model	C2
Capacity Round	10.2"
Capacity Rectangular (HxW)	10.2" x 11.8"
Blade Size (LxWxT)	13' 5.4" x 1.25" x .042"
Blade Motor	5 HP
Height of Work Bed	31.1"
Weight	3,520 lbs
Floor Space (LxWxH)	84.6" x 70.1" x 75.4"



▼ CNC-530



◀ C4

▶ CNC SERIES

Hard materials like Inconel, Titanium, and Stainless Steel are expensive to cut due to the extensive cutting time, tool costs, and demand of an experienced operator. With Cosen CNC Series band saws, you are in full control by cutting harder material faster, extending blade life, and eliminating guess work and potential operator error.

Model	C3	C4	C5	C6	C11
Capacity Round	14.2"	18"	22"	26"	43.31"
Capacity Rectangular (HxW)	14.2" x 15.7"	18" x 19.7"	22" x 22"	26" x 27.6"	43.31" x 43.31"
Blade Size (LxWxT)	16' x 1.5" x .050"	19' 9" x 2" x .063"	23' 9.8" x 2" x .063"	25' 9.4" x 2" x .063"	39' 5.2" x 3" x .063"
Blade Motor	7.5 HP	7.5 HP	10 HP	15 HP	20 HP
Height of Work Bed	32.9"	27.8"	25.6"	30"	30"
Weight	6,613 lbs	9,149 lbs	9,920 lbs	15,124 lbs	22,220 lbs
Floor Space (LxWxH)	143" x 91" x 79.3"	116" x 71.4" x 92.7"	135.3" x 79.8" x 93.6"	79.8" x 135" x 93.6"	88" x 242" x 149"

Model	CNC-430	CNC-530
Capacity Round	16.9"	20.9"
Capacity Rectangular (HxW)	16.5" x 19.7"	20.9" x 22"
Blade Size (LxWxT)	20' 0.19" x 2" x .063"	25' 2" x 2.625" x .063"
Blade Motor	10 HP	15 HP
Height of Work Bed	26.3"	26.8"
Weight	11,882 lbs	19,800 lbs
Floor Space (LxWxH)	152" x 87.8" x 89.2"	88.2" x 148.6" x 100"

Fabrication Production Horizontal Miter Saws

Model	MH-270M			MH-300DM			
	0°	+45°	+60°	0°	+45°	+60°	-45°
Capacity Round	8.9"	5.7"	3.5"	10.2"	9.4"	6.29"	9.4"
Capacity Rectangular (HxW)	6" x 9.45"	5.7" x 8.2"	3.5" x 7"	9" x 11.6"	8.3" x 8.9"	5.1" x 6.3"	7.5" x 7.5"
Blade Size (LxWxT)	8' 1.625" x 1" x .035"			9' 8.7" x 1" x .035"			
Blade Motor	1.5 HP			1.5 HP			
Height of Work Bed	36"			36"			
Weight	550 lbs			704 lbs			
Floor Space (LxWxH)	53" x 28" x 52.2"			61" x 31.5" x 58.3"			



MH-270M ▶



◀ **SH-500M**

Model	MH-460M/SH-460M			SH-500M			SH-510LDM		
	0°	+45°	+60°	0°	+45°	+60°	0°	±45°	±60°
Capacity Round	10"	9.1"	4.3"	13"	11.8"	8.6"	12.5"	12.5"	7.8"
Capacity Rectangular (HxW)	9.1" x 18.1"	9.1" x 9.1"	9.1" x 4.3"	11" x 19.7"	11" x 9.4"	11" x 8.6"	13" x 20"	13" x 12.5"	13" x 7.8"
Blade Size (LxWxT)	11' 6" x 1" x .035"			13' 7" x 1" x .035"			16' 4" x 1.25" x .042"		
Blade Motor	2 HP			3 HP			3 HP		
Height of Work Bed	25.2"			32.6"			30.7"		
Weight	1,433 lbs / 1,357 lbs			1,980 lbs			2,992 lbs		
Floor Space (LxWxH)	69" x 43.3" x 41.4"			80.5" x 41.6" x 57.8"			98.1" x 48.9" x 80.4"		

▶ SWIVEL-HEAD MITER SERIES

Cosen offers a variety of functional band saws with capacities from 18" to over 59" in manual, semi-automatic, and NC automatic types. Mitering is available from 45°- 60°, in single or double sided mitering.



C-510MNC ▶

Model	SH-650M			SH-700DM			SH-710LDM		
	0°	+45°	+60°	0°	±45°	+60°	0°	±45°	±60°
Capacity Round	16.5"	16"	10"	17.7"	17.7"	11.8"	18.5"	16.5"	12.6"
Capacity Rectangular (HxW)	15" x 25.6"	16" x 16"	16" x 10"	17.7" x 27.5"	17.7" x 20.5"	17.7" x 11.8"	16.5" x 28"	16.5" x 18"	16.5" x 12.6"
Blade Size (LxWxT)	17' 4.6" x 1.25" x .042"			19' 1.5" x .050"			21' 5.5" x 1.5" x .050"		
Blade Motor	7.5 HP			7.5 HP			7.5 HP		
Height of Work Bed	29.5"			29.5"			29.7"		
Weight	3,968 lbs			5,280 lbs			6,393 lbs		
Floor Space (LxWxH)	112.2" x 62.6" x 69.5"			106.3" x 124" x 107"			128" x 126" x 76"		

Model	C-510MNC			C-650MNC			CNC-800DM		
	0°	+45°	+60°	0°	+45°	+60°	0°	±45°	-60°
Capacity Round	14"	13"	7.9"	16.5"	16"	10"	20"	17.7"	16"
Capacity Rectangular (HxW)	13" x 20"	13" x 13.7"	12.5" x 9"	15" x 25.6"	16" x 16"	16" x 10"	16" x 31"	16" x 21"	16" x 16"
Blade Size (LxWxT)	16' 1" x 1.25" x .042"			17' 5" x 1.5" x .050"			27' 2.77" x 2" x .050"		
Blade Motor	5 HP			7.5 HP			7.5 HP		
Height of Work Bed	31.4"			29.5"			42.7"		
Weight	4,707 lbs			6,332 lbs			17,600 lbs		
Floor Space (LxWxH)	100.8" x 107.8" x 75"			123.3" x 112.8" x 76"			138" x 160" x 91"		

Model	SH-1000DM			SH-1100LDM			SH-1300LDM			SH-1500DM		
	0°	±45°	-60°	0°	±45°	±60°	0°	±45°	±60°	0°	±45°	-60°
Capacity Round	26"	23"	15.7"	26"	26"	15.7"	26"	26"	19.5"	33.5"	31.5"	22.8"
Capacity Rectangular (HxW)	20.5" x 40"	20.5" x 24.4"	21.3" x 15.7"	26" x 44"	26" x 27.6"	26" x 15.7"	26" x 51.1"	26" x 32.3"	26" x 19.5"	29.5" x 59"	29.5" x 35.4"	29.5" x 22.8"
Blade Size (LxWxT)	27' 2.8" x 2" x .063"			33' 2" x 2.625" x .063"			34' 6.5" x 2.625" x .063"			39' x 2.625" x .063"		
Blade Motor	10 HP			15 HP			20 HP			15 HP		
Height of Work Bed	32.7"			33.5"			33.5"			47"		
Weight	10,450 lbs			24,200 lbs			23,100 lbs			40,128 lbs		
Floor Space (LxWxH)	130" x 63.3" x 122.6"			191" x 193" x 134"			200.8" x 102.4" x 137.8"			227" x 134" x 165"		

Fabrication Production Vertical Miter Saws

AV-2026NC ▼



Model	AV-2026NC / V-2026NC	
Miter Degree	60° Left – 60° Right	
	0° Blade Cant	5° Blade Cant
Capacity 90°	20" x 28.3"	20" x 26"
Capacity 45° Left	20" x 19.5"	20" x 17.9"
Capacity 60° Left	20" x 13"	20" x 12"
Capacity 45° Right	20" x 18.3"	20" x 16.5"
Capacity 60° Right	20" x 11.2"	20" x 9.8"
Blade Size (LxWxT)	17' 1.9" x 1.25" x .042"	
Blade Motor	7.5 HP	
Work Bed Height	40.6"	
Weight	8,518 lbs / 4,520 lbs	
Floor Space V-2026	102" x 98.4" x 102.3"	
Floor Space AV-2026	205.9" x 147.6" x 102.3"	

Model	V-2230NC	
Miter Degree	60° Left – 60° Right	
	0° Blade Cant	5° Blade Cant
Capacity 90°	22" x 30"	20" x 27.8"
Capacity 45° Left	22" x 21"	20" x 19"
Capacity 60° Left	20" x 14"	20" x 13"
Capacity 45° Right	20" x 19.7"	20" x 18"
Capacity 60° Right	20" x 12"	20" x 10.8"
Blade Size (LxWxT)	17' 4.6" x 1.25" x .042"	
Blade Motor	7.5 HP	
Work Bed Height	41"	
Weight	5,093 lbs	
Floor Space (LxWxH)	122.8" x 109.5" x 101.2"	



▲ V-2230NC

Utility Band Saws Manual/Semi-Automatic

▶ MANUAL SERIES

Cosen's MH series saws offer the best value of any manual general purpose saws made today. These reliable and affordable saws allow any job shop, tool rooms, or secondary production job to be handled efficiently and precisely. SH series machines offer the added values of automatic head return and hydraulic clamping (select models).



◀ MH-1016JA



▶ SH-250R

Model	MH-1016JA	SH-250R
Capacity Round	10"	10"
Capacity Rectangular (HxW)	9" x 14.6"	10" x 11.8"
Blade Size (LxWxT)	11' x 1" x .035"	11' x 1" x .035"
Blade Motor	2 HP	2 HP
Height of Work Bed	25.6"	25"
Weight	882 lbs	1,351 lbs
Floor Space (LxWxH)	63" x 28" x 43.7"	80.8" x 42.2" x 63.7"

Vertical Contour Saws VCS Series



◀ VCS-600H

Model	VCS-310	VCS-600	VCS-600H	VCS-1000
Capacity Height	8.6"	12"	12"	13"
Capacity Throat	11.96"	23.5"	23.5"	36"
Blade Length	8' 4.79"	14' 2"	14' 2"	17' 6.2"
Blade Motor	1 HP	3 HP	3 HP	3 HP
Height of Work Bed	19.7" x 19.7"	26.75" x 29.5"	26.75" x 29.5"	19.8" x 40"
Weight	441 lbs	1,342 lbs	1,542 lbs	1,764 lbs
Floor Space (LxWxH)	35.03" x 25.78" x 60.5"	37.13" x 52.75" x 81.5"	37.13" x 52.75" x 81.5"	40" x 72" x 108"

Fabrication Production Straight Cutting Structural Saws



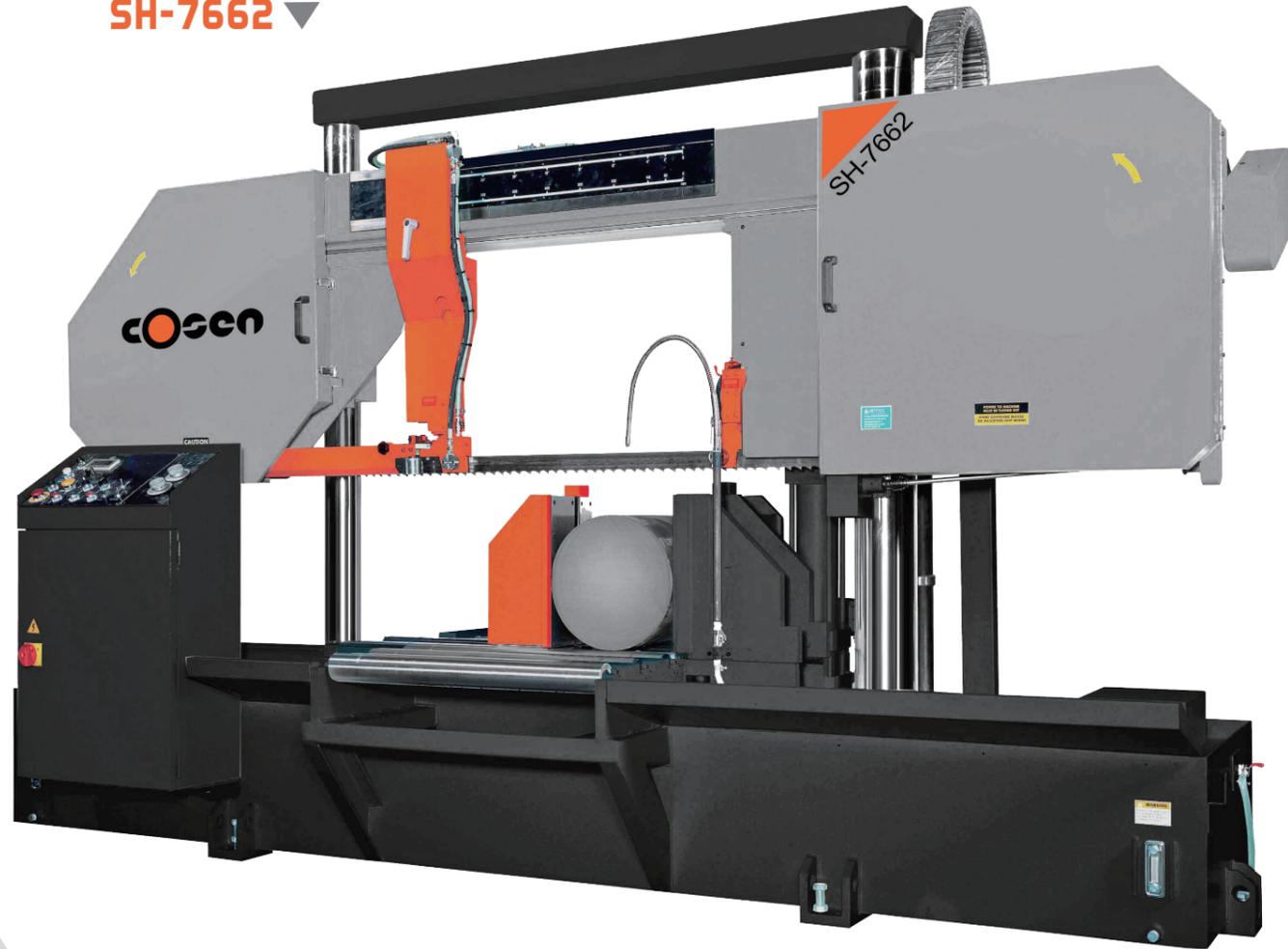
SH-1000F ▲

	SH-760F	SH-1000F	SH-1300LF
Capacity Round	22"	26"	26"
Capacity Rectangular (HxW)	20.5" x 30"	20.5" x 40"	21.3" x 51"
Blade Size (LxWxT)	21' 10.4" x 2" x .063"	26' 3" x 2" x .063"	33' 10" x 2.625" x .063"
Blade Motor	10 HP	10 HP	20 HP
Height of Work Bed	27.5"	25.6"	29.9"
Weight	5,620 lbs	8,322 lbs	17,820 lbs
Floor Space (LxWxH)	132" x 56" x 94"	149" x 54" x 102"	200.7" x 109.1" x 106.3"

Billet Saws

► Solid, dependable, and precise are just a few words that describe Cosen's Billet Series saws. Available in capacities up to 126" x 126", there is nothing that a Cosen Billet Saw can't cut.

SH-7662 ▼



SH-5542 ►



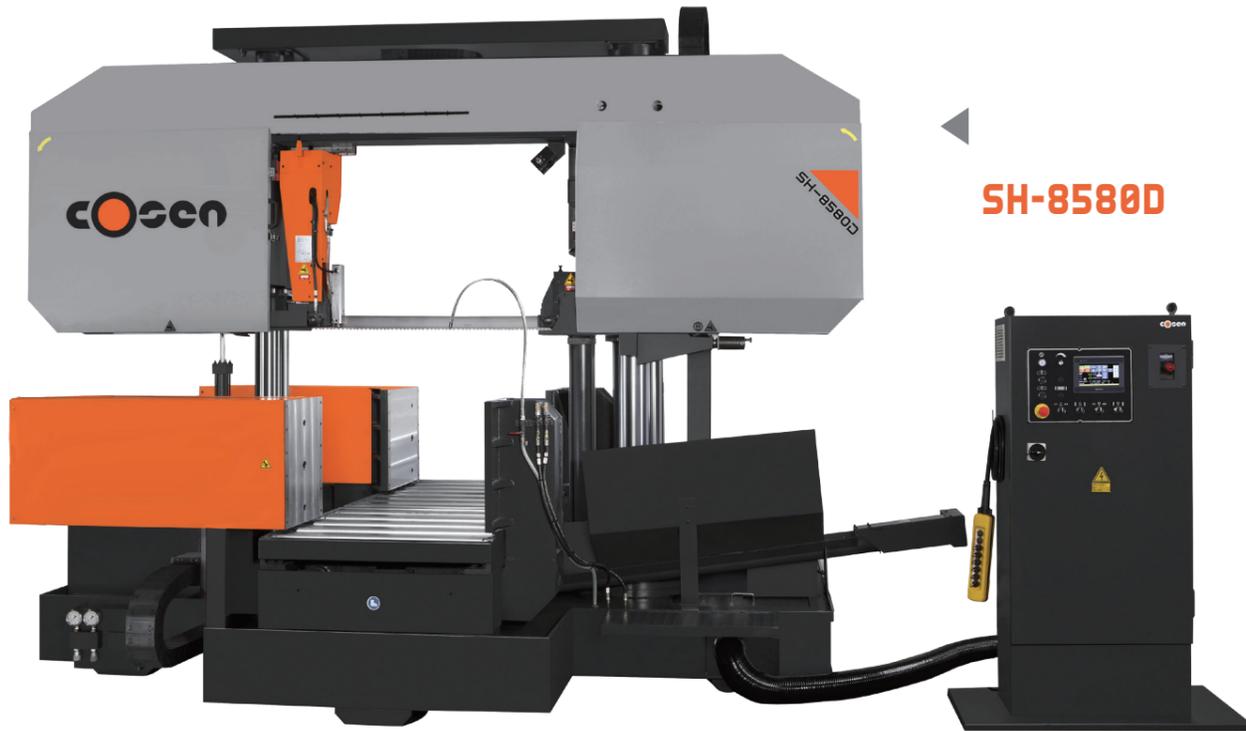
◀ SH-1080D



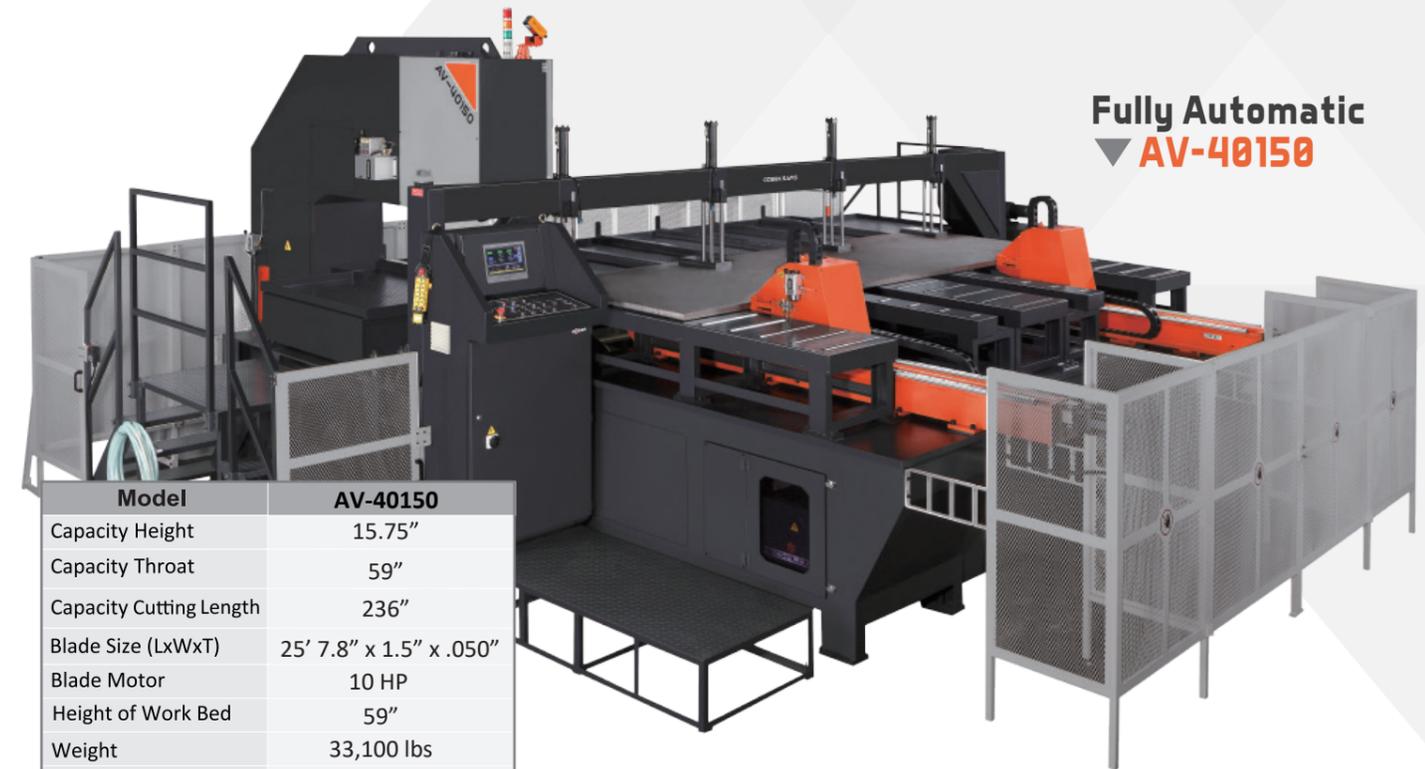
Model	SH-4030	SH-5542	SH-7550S	SH-7662
Capacity Round	12"	16.5"	20"	24.4"
Capacity Rectangular (HxW)	12" x 15.7"	16.5" x 21.6"	20" x 29.5"	24.4" x 30"
Blade Size (LxWxT)	12' 6.4" x 1.25" x .042"	17' 4.7" x 1.5" x .050"	19' 10" x 2" x .063"	23' 7.5" x 2" x .063"
Blade Motor	5 HP	7.5 HP	7.5 HP	10 HP
Height of Work Bed	29.1"	27.5"	27.5"	24"
Weight	2,645 lbs	4,211 lbs	5,315 lbs	7,960 lbs
Floor Space (LxWxH)	78" x 43" x 53.7"	108.5" x 43.7" x 72.6"	122.9" x 43.2" x 82.1"	139.2" x 47.2" x 93"

Model	SH-8580D	SH-1080D	SH-1010W
Capacity Round	31.5"	31.5"	40"
Capacity Rectangular (HxW)	31.5" x 33.5"	31.5" x 40"	40" x 40"
Blade Size (LxWxT)	27' 2.8" x 2.625" x .063"	28' 10.5" x 2.625" x .063"	30' 10" x 2.625" x .063"
Blade Motor	10 HP	15 HP	15 HP
Height of Work Bed	25.2"	25.2"	25"
Weight	14,300 lbs	22,000 lbs	26,400 lbs
Floor Space (LxWxH)	153" x 92" x 116"	82.6" x 161.7" x 110.2"	90.6" x 204.7" x 106.3"

Billet Saws

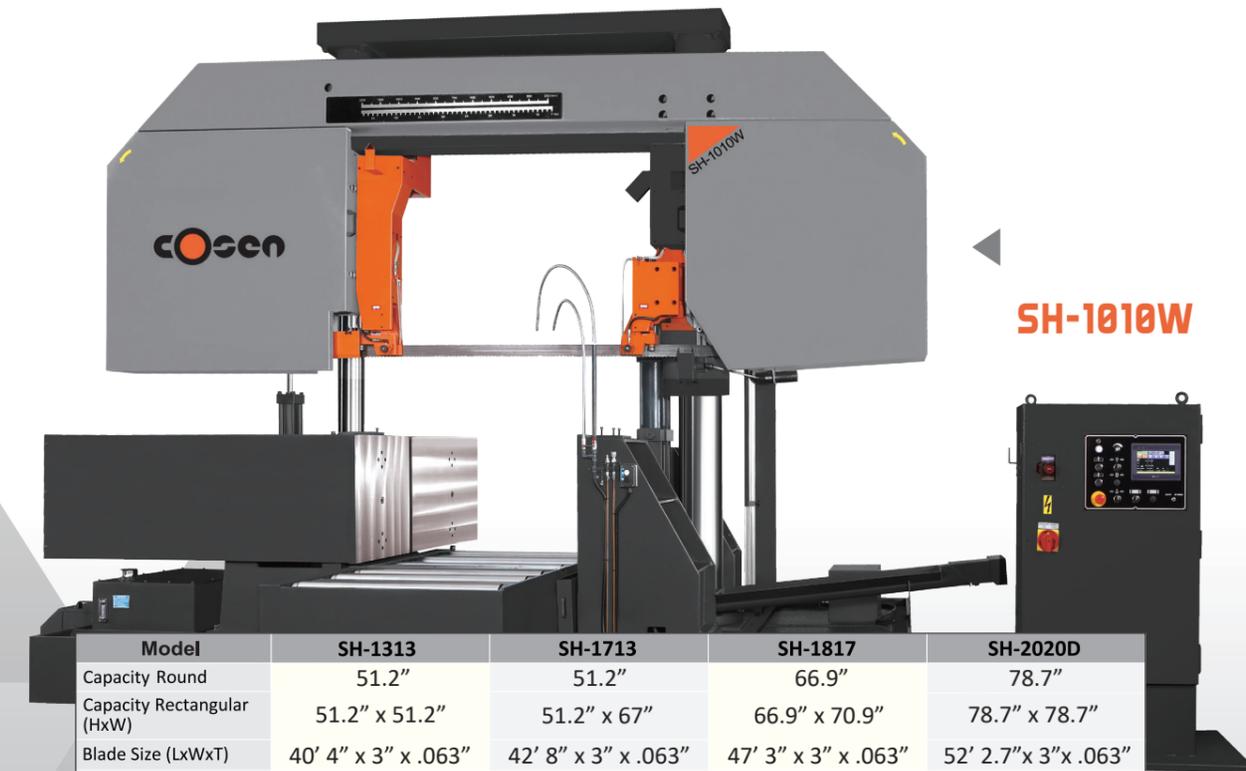


SH-8580D



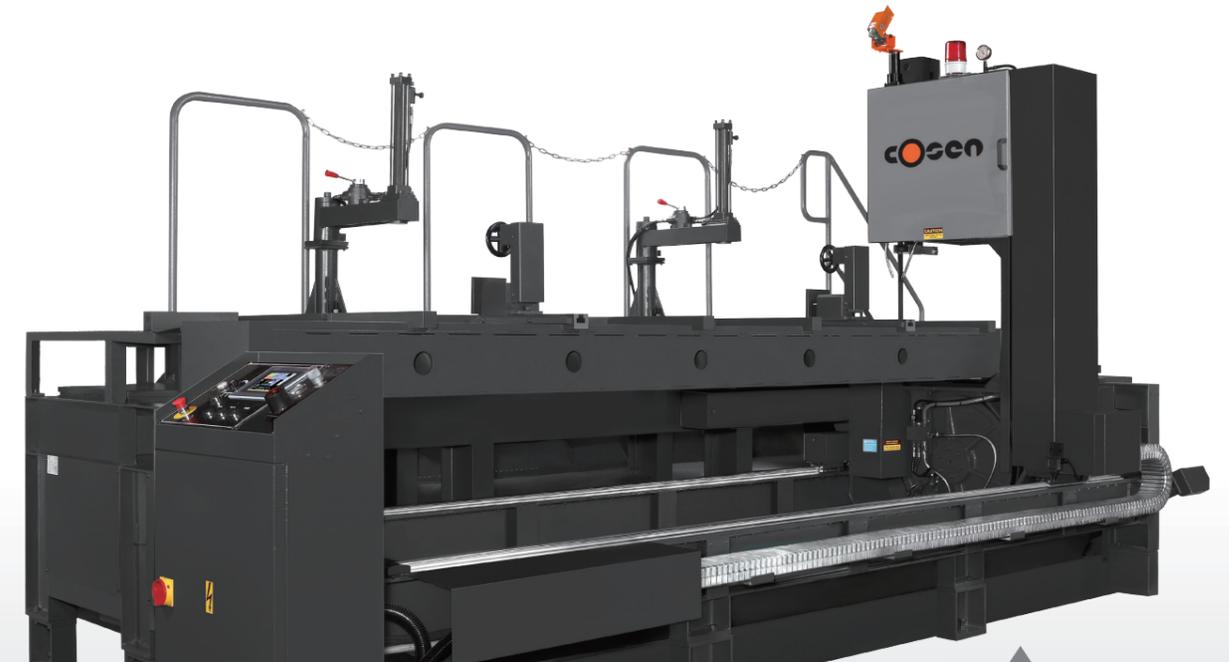
Fully Automatic
AV-40150

Model	AV-40150
Capacity Height	15.75"
Capacity Throat	59"
Capacity Cutting Length	236"
Blade Size (LxWxT)	25' 7.8" x 1.5" x .050"
Blade Motor	10 HP
Height of Work Bed	59"
Weight	33,100 lbs
Floor Space (WxH)	232" x 134"



SH-1010W

Model	SH-1313	SH-1713	SH-1817	SH-2020D
Capacity Round	51.2"	51.2"	66.9"	78.7"
Capacity Rectangular (HxW)	51.2" x 51.2"	51.2" x 67"	66.9" x 70.9"	78.7" x 78.7"
Blade Size (LxWxT)	40' 4" x 3" x .063"	42' 8" x 3" x .063"	47' 3" x 3" x .063"	52' 2.7" x 3" x .063"
Blade Motor	20 HP	20 HP	25 HP	25 HP
Height of Work Bed	25.2"	24.4"	25.6"	32.6"
Weight	33,000 lbs	48,500 lbs	40,000 lbs	66,000 lbs
Floor Space (LxWxH)	118" x 218" x 153.5"	118" x 232" x 166.5"	143.7" x 275.6" x 196.9"	250" x 260" x 228"



SV-3055H

Model	SV-3055H	SV-6066H	SV-86110	SV-130160
Capacity Height	11.8"	23.6"	34"	51"
Capacity Throat	21.6"	26"	43"	63"
Capacity Cutting Length	Custom (Max 118")	Custom (Max 118")	Custom (Max 276")	Custom (Max 276")
Blade Size (LxWxT)	14' 7.2" x 1.5" x .050"	20' 1.7" x 2" x .063"	24' 5" x 2.625" x .063"	32' 10" x 3" x .063"
Blade Motor	7.5 HP	10 HP	15 HP	20 HP
Height of Work Bed	53"	58"	61"	69"
Weight	12,610 lbs	TBD	52,800 lbs	66,000 lbs
Floor Space (WxH)	59" x 96.6"	148" x 134"	165" x 162"	194" x 194"

*Cosen platesaws are customizable. Height and throat capacities, as well as bed length can be manufactured to meet customers cutting needs.

Cross Cutting Plate Saws Vertical Plate Series

The SVC series' superior design and rigid construction offers lower operation overhead while making no compromise to deliver fast cutting rates.



Model	SVC-30120H	SVC-40130H	SVC-50220	SVC-60260	SVC-170150H
Capacity Height	12"	15.7"	19.7"	24"	67"
Capacity Throat	48"	51.2"	86.6"	102"	59"
Blade Size (LxWxT)	21' 9.8" x 1.5" x .050"	22' 9" x 1.5" x .050"	27' 2.8" x 2" x .063"	35' 0.5" x 2" x .063"	39' 10" x 3" x .063"
Blade Motor	7.5 HP	7.5 HP	10 HP	10 HP	20 HP
Height of Work Bed	52"	53"	63.8"	63.8"	78.7"
Weight	17,600 lbs	19,800 lbs	33,000 lbs	39,600 lbs	45,415 lbs
Floor Space (WxH)	79" x 109"	118" x 114"	94" x 150"	94.5" x 153.5"	86.6" x 236.2"

*Cosen platesaws are customizable. Height and throat capacities, as well as bed length can be manufactured to meet customers cutting needs.

SVT-5075 ▶

High Speed Traversing Table Band Saws

Model	SVT-5075	SVT-6070H
Capacity Height	19.7"	23.6"
Capacity Throat	29.5"	27.69"
Capacity Cutting Length	19.7"	49.2"
Blade Size (LxWxT)	20' x 1.25" x .042"	19' 9.8" x 2" x .063"
Blade Motor	10 HP	10 HP
Height of Work Bed	51.5"	49.2"
Weight	5,840 lbs	11,880 lbs
Floor Space (LxWxH)	86" x 79" x 122.4"	118" x 78.7" x 126"



Material Handling Roller Tables

▶ Standard Stock Roller Tables

- Available in 5ft, 7ft, and 10ft.
- Adjustable height
- Easy Assembly



▶ Customizable Solutions

Cosen offers a various amount of customizable material handling options to fit your saw cutting needs. With solutions able to reach any desired length and support various material types and weights, our material handling capabilities are perfect additions to your facility.



V_Drive

- ▶ Cosen's ROI-boosting V_Drive is an exclusive, proprietary technology that significantly improves blade life, and metal cutting speed. V_Drive, accessed by Cosen's simple intuitive touch screen, allows you to monitor cut rates, horsepower and other details of each job.

This technology facilitates cutting difficult materials like Titanium, Hastelloy and other nickel-based materials at significantly increased rates. As a result, V_Drive reduces tooling costs per piece by up to 25% in savings and increase your production by 25% to 50%.



- Machine utilization reports
- Real time status update on machine
- Blade health monitor
- Blade Use tracker
- Automated reporting



「Sawlogix」



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Q-CUT™

POWERED BY MECHALOGIX



- Cosen's proprietary QR generating software
- Easy to use windows dashboard
- Convenient handheld QR scanner
- Scans up to 15 jobs into the HMI
- Reduce input errors and increase efficiency

JOB	Length inch	Quantity	Cut Finished	JOB 0-99
10	0.000	0	0	Start Job 0
11	0.000	0	0	End Job 0
12	0.000	0	0	JOB 0
13	0.000	0	0	Cut Piece Reset
14	0.000	0	0	All Reset
15	0.000	0	0	Remaining pieces 0
16	0.000	0	0	Remaining Time 0.0 (hour)
17	0.000	0	0	
18	0.000	0	0	
19	0.000	0	0	

JOB	Length	Quantity	JOB	Length	Quantity	inch
0	0.000	0	8	0.000	0	
1	0.000	0	9	0.000	0	00~14
2	0.000	0	10	0.000	0	15~29
3	0.000	0	11	0.000	0	30~44
4	0.000	0	12	0.000	0	45~59
5	0.000	0	13	0.000	0	60~74
6	0.000	0	14	0.000	0	75~89
7	0.000	0				

Careful:
Input-style
--> Length= 0.000~999.999 (must 3number after dot
--> Quantity=0000~9999 (must four number)



